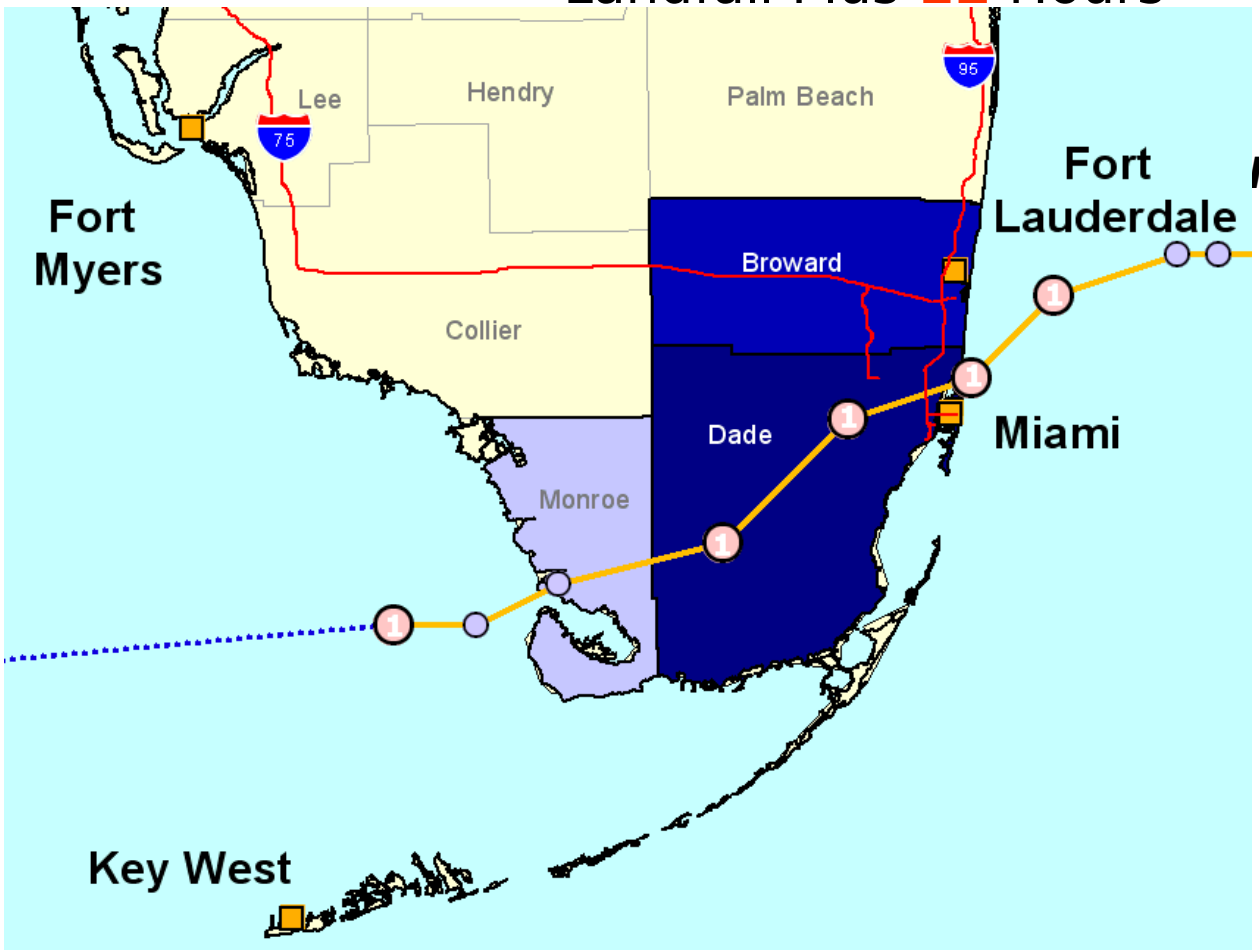
Hurricane Katrina Water Model

Landfall Plus **12** Hours

For Official Use Only!



Most Probable Landfall Water Model Results

Florida –
50 Truckloads Day One
100 Truckloads Day Two
109 Truckloads Day Three

Model results per county on following page

This model is based on a Category 1 storm making landfall in near proximity to North Miami, FL.

Information provided on this page displays a Category 1 storm making landfall near North Miami, FL. These projections are based on information from the NHC ***(0500 EDT 08/26/2005)*** forecast. The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person per day) and Water SME input and represents a first day daily need.

Details about this model may be obtained at https://englink.usace.army.mil

or contact ENGLink at 1-877-936-4546

US Army Corps of Engineers

Hurricane Katrina Water Model

Generated By:
Terry Siemsen, LRL 0730 EDT 08/26/2005

Sources:
HURREVAC
LRL-DEBRIS

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Ice/Water Commodities - Trucks/Distribution Lanes Ramp-up
(Number of Trucks Each Commodity and Lanes Anticipated - end of each day)

	Day One (25%)*	Day Two (50%)*	Day Three (100%)*	Commodity Trucks Day 1-3 Total	Within Hurricane Force Winds Population	Households
NHC Track						
Dade	38	75	82	195	2,042,000	711,000
Broward	12	25	27	64	677,000	272,000
Monroe	0	0	0	0	1,000	> 1,000
Florida - Total	**50**	**100**	**109**	**259**	**2,720,000**	**984,000**

Key assumption is that establishment of distribution lanes will be the limiting factor.

* Assumption is that States/locals (FL is the * exception) will have the capability to establish about 25% of needed distribution lanes in the first 24 hours post-landfall, about 50% of needed distribution lanes in the first 48 hours after landfall, and all needed lanes by 72 hours post landfall. Florida, due to past experience, estimates they can establish up to 50 distribution lanes per day.

** **Assumption for Katrina** - Assumption is that 20 percent of the resident population will require ice/water due to power outages in areas experiencing hurricane force winds

The amount of water forecasted is based on Mission Guide Book requirements (3 liters per person) and Water SME input and represents a first day daily need. The assumption in this scenario is that 20% of the resident population affected by Katrina will have power outage in this area will cause a need for water.

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